

IN THE CLAIMS

The following claim listing replaces all previous versions, and listings, of the claims in the present application:

1. (previously presented) An endoscope comprising:

a treatment instrument channel; and

an endoscopic spraying instrument comprising:

a liquid supplying tube configured to pass liquid therethrough and further configured be removably inserted into the treatment instrument channel;

a rotatingly guiding groove disposed at a leading end side of the supplying tube is and configured to rotate the liquid about a central axis:

a liquid rotating chamber disposed at a leading end side of the rotatingly guiding groove, the liquid rotating chamber configured to rotate the liquid therein;

a spray nozzle formed in a leading end wall of the liquid rotating chamber and configured to discharge the liquid from the liquid rotating chamber; and

an annular, protruded wall spaced outwardly from an outer periphery of the spray nozzle, the wall protruded forwardly from and surrounding an exit of the spray nozzle.

2. (previously presented) The endoscope of claim 1, wherein a wall surface extending between the outer periphery of the spray nozzle and the annular, protruded wall is defined by a tapered surface or a curved, concave surface.

3. (previously presented) The endoscope of claim 1, wherein a wall surface extending between the outer periphery of the spray nozzle and the annular, protruded wall is defined by a planar

surface perpendicular to an axis of the spray nozzle.

4. (previously presented) The endoscope of claim 1, wherein a wall surface of the annular, protruded wall is parallel to an axis of the spray nozzle.

5. (previously presented) The endoscope of claim 1, wherein a wall surface of the annular, protruded wall is defined by a forwardly spread surface or a forwardly constricted surface.

6. (canceled)

7. (canceled)

8. (canceled)

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (canceled)

14. (canceled)

15. (canceled)

16. (canceled)

17-28. (not entered)

29. (previously presented) The endoscope of claim 1, wherein the liquid supply tube is substantially coaxial with the spray nozzle.

30. (canceled)

31. (canceled)